PATENT COOPERATION TREATY

PCT

REC'D 17 AUG 2006

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY WIPO

PCT

(Chapter II of the Patent Cooperation Treaty)

(PCT Artcle 36 and Rule 70)

Applicantle	(1 0 1 1 Mele 30 all				
Applicant's or agent's file reference PCTA9504-202	FOR FURTHER ACTIO	N See Form	PCT/IPEA/416		
International application No. PCT/KR2005/001250	International filing date(day/		(day/month/year)		
	29 APRIL 2005 (29.04	1.2005) 30 APRIL	2004 (30.04.2004)		
International Patent Classification (IPC B32B 27/02(2006.01)i	.) or national classification and	IPC			
Sambark Co., LTD. et al	,				
1. This report is the international pr Authority under Article 35 and to	ansimiled to the applicant accor	ding to Article 36.	reliminary Examining		
2. This REPORT consists of a total		uding this cover sheet.			
3. This report is also accompanied a. (sent to the applicant an	by ANNEXES, comprising:	,	•		
sheets of the des	d to the International Bureau) a	total ofsheets, as which have been amended and	as follows:		
and/or sheets cor Administrative I	itaning recinications authorized	by this Authority (see Rule 70.1	are the basis for this report 6 and Section 607 of the		
sheets which sup	ersede earlier sheets, but which	this Authority considers contain a	n amendment that goes		
beyond the discle Supplemental Bo	isure in the international applica	tion as filed, as indicated in item	4 of Box No. I and the		
b. (sent to the International	l Bureau only) a total of (indica	te type and number of electronic	carrier(s))		
containing a sequence is	sting and/or tables related there	to, in electronic form only as indi	icated in the Supplemental		
to bequein	e Listing (see Section 802 of the	Administrative Instructions).			
4. This report contains indications re	elating to the following items:				
Box No. I Basis of the					
Box No. II Priority	•				
Box No. III Non-establi	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability				
Box No. V Reasoned s	tatement under Article 35(2) wi l explanations supporting such s	th regard to novelty, inventive ste	p or industrial applicability;		
Box No. VII Certain defects in the international application					
Box No. VIII Certain observations on the international application					
Date of submission of the demamd		of completion of this report			
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13 FEBRUARY 2006	(13.02.2006)	18 JULY 2006 (18.07.2006))		
lame and mailing address of the IPEA/I		orized officer			
Korean Intellectual Property 920 Dunsan-dong, Seo-gu, I Republic of Korea	Office	KANG, SANG YOON	色图象		
acsimile No. 82-42-472-7140	Tele	phone No. 82-42-481-8153	VOIIGIUM		

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.
PCT/KR2005/001250

Box No. I Basis of the	report	-
This report is the which is the late	anguage, this report is based on the international application in the lar under this item. based on translations from the original language into the following language of a translation furnished for the purposes of: ional search (under Rules 12.3 and 23.1(b))	
	ion of the international application (under Rule 12.4)	
internation	ional preliminary examination (under Rules 55.2 and/or 55.3)	
2. With regard to the electo the receiving Office annexed to this report	ements of the international application, this report is based on (replace in response to an invitation under Article 14 are referred to in this	ement sheets which have been furnished eort as "originally filed" and are not
the description:		•
pages		· · · · · · · · · · · · · · · · · · ·
pages*	received by this Authority on	as originally filed/furnished
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the claims:		
pages ·		as originally filed/furnished
pages*	as amended (together received by this Authority on	r with any statment) under Article 19
pages*	received by this Authority on	
the drawings:	<u> </u>	•
pages pages*		as originally filed/furnished
pages*	received by this Authority on received by this Authority on	
3. The amendment the descripthe claims the drawin the sequent	ing and/or any related table(s) - see Supplemental Box Relating to Section to have resulted in the cancellation of: iption, pages	
(Rule 70.2(c)). the descript the claims, the drawing the sequence	een established as if (some of) the amendments annexed to this report have been considered to go beyond the disclosure as filed, as indicate tion, pages Nos. gs, sheets ce listing (specify):) related to sequence listing (specify):	d in the Supplemental Box
* If item 4 applies, some or	all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY

International application No.

PCT/KR2005/001250

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Claims	1-36	YES
Claims	None	NO
Claims	1-36	YES
Claims	None	NO
Claims	1-36	YES
Claims	None .	
	Claims Claims Claims Claims	Claims None Claims 1-36 Claims None 1-36 1-36

2. Citations and explanations (Rule 70.7)

'Reference is made to the following documents:

D1 : JP 3205115 A2 (MITSUI TOATSU CHEM INC) 6 SEP. 1991

D2 : JP 1228141 A (TORAY INDUSTRY INC) 5 SEP. 2000

D3 : WO 00/48830 A1 (TORAY INDUSTRY INC) 24 AUG. 2000 D4 : WO 00/58083 A1 (CYTEC TECHNOLOGY CORP) 5 OCT. 2000

D5: US 527989 A (MITSUBISHI RAYON CO. LTD) 18 JAN. 1994

D1 relates to a fiber reinforcing plastic molded body by utilizing a platelike material formed of fiber-reinforced plastic and thermoplastic resin, wherein a prepreg sheet is integrally molded into the platelike material, which is different from the present invention, since the molded body does not include the continuous reinforcing fiber-impregnated prepreg layer as disclosed in the present invention.

D2 relates to a method of impregnating resin into fiber reinforcing base material comprising the steps of arranging fiber reinforcing base material in the inner or outer surface of a solid core, coating said fiber reinforcing base material with airtight member, vacuuming the interior, and injecting resin, which is different from the present method using prepreg.

D3 and D4 relate to a manufacturing method of a FRP structure body using prepreg, but the prepreg of D3 and D4 differ from the present prepreg. D5 relates to a method comprising the steps of arranging fibrous thermoplastic resin on a basic prepreg obtained from reinforced fiber and thermosetting matrix resin, heating and impregnating the resultant, which is also different from the present method.

Accordingly, the subject matter of claims 1-36 is not disclosed in the cited prior art documents, and is not considered to be easily derived from those documents by a person skilled in the art. Thus claims 1-36 are novel and inventive under PCT Article 33(2) and 33(3).

(2) Industrial Applicability

The subject matter of claims 1-36 is considered to be industrially applicable under PCT Article 33(4).